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-CSK 004

Application No. 10/645,333

Filed: August 21, 2003

TC Art Unit: 1742

Confirmation No.: 7603

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A method for producing by injection molding a composite metal product containing a carbon nano material and a metal material, comprising the steps of:

mixing the carbon nano material with the metal material in a powder state;

compressing a resultant mixed material to a sheet-shaped solid material by a hot press;

forming said sheet-shaped solid mixed material into granules such as chips, pellets, and the like;

melting the metal in the granules and kneading the metal and the carbon nano materials to form a composite material and injecting the composite material into a mold to form the composite metal product by using an injection machine; and

obtaining the composite metal product.

2. (Original) The method according to claim 1, wherein the melting and kneading step and the injecting step are performed by using an inline screw type injection machine or a screw type preplasticization injection machine.

3. (Previously Presented) The method according to claim 1, wherein the metal material comprises a low melting point metal material.

4. (Previously Presented) A composite metal product containing a carbon nano material and a metal material, wherein said composite metal product is obtained by the method according to claim 1.

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